2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard

Cache Creek Settling Basin Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	А
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	
	Flap Gates	Α
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

Tuesday, August 28, 2018 11:24 Page 1 of 5

2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Fremont Weir

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

Tuesday, August 28, 2018 11:24 Page 2 of 5

2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Knights Landing Outfall Structure

Overall Unit

Rating	Rated Item	Item Rating
	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

Tuesday, August 28, 2018 11:24 Page 3 of 5

2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Paradise Dam

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α

Operation & Maintenance Manual

Tuesday, August 28, 2018 11:24 Page 4 of 5

2018 Structure Summary Report

Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Sacramento Weir

Item Rating	Rated Item	Overall Unit Rating	
N	Photo Documentation	Α	
А	Vegetation & Obstructions		
А	Shoaling / Sedimentation		
А	Erosion / Bank Caving		
N	Revetments		
М	Encroachments		
N	Culverts: Inlets / Outlets		
N	Culverts: Breaks / Holes / Cracks		
N	Metal Pipes		
N	Trash Racks		
N	Flap Gates		
Α	Sluice/Slide Gates		
N	Electric Gate Operators		
Α	Manual Gate Operators		
М	Concrete Surfaces		
Α	Concrete Tilting / Settlement		
Α	Concrete Foundations		
Α	Security Fencing		
N	Closure Structures		
N	Trash Rakes		
А	Other Metallic Items		
Α	Monolith Joints		
А	Safety		
А	Operation & Maintenance Manual		

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Unit Cover Sheet

2018 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Cache Creek Settling Basin Weir And Drainage Structure

Structure Rating	A
Date of Inspection	6/13/2018
DWR Inspector	Zach Jojola
Accompanied By	

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	24	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
			Start		End	
Item	Photo Documentation		38.68243	8°	38.687317°	
item				-121.67292	4°	-121.673711 °
DWR ID	R ID DWR_NA0055_12_t _ 2012_24					
		Action/	Comme	nts		

Inspector Comments: View of the drainage structure at the inlet and outlet locations.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



View of the inlet structure at the south end of the weir. Summer 2018.

Photo 2 of 4: ST_2018_NA0055_12_24_20180614_00021.jpg



View of the outlet structure at the south end of the weir. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ма	Location *	CR



View of the weir from the south end, looking north. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	24 (cont)	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Photo Do	cumentation		38.68243	88°	38.687317°
пеш				-121.67292	²4 °	-121.673711 °
DWR ID	DWR_NA0055_12_t _ 2012_24					
Action/Comments						

Inspector Comments: View of the drainage structure at the inlet and outlet locations.



View of the weir from the north end, looking south. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels				Start		End	
Item	Vegetatio	Vegetation & Obstructions			60°	38.687350°	
item	item			-121.672930 °		-121.673740°	
DWR ID DWR_NA0055_12_t _ 2012_2							
		A ation/	Camma	-t-			

Action/Comments

Inspector Comments: Scattered vegetation at the top of the weir. The flow is not impededed.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Shoaling A	Sedimentation	n	38.6824	60°	38.687350°	
пеш					30°	-121.673740 °	
DWR ID	DWR ID DWR_NA0055_12_t _ 2012_3						
Action/Comments							

Inspector Comments: No shoaling or sedimentation present.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Cotogoni	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			38.68246	0 °	38.687350°	
item				-121.67293	0 °	-121.673740°	
DWR ID	DWR_NA0	055_12_t _ 2018	8_4				
A .: 10							

Action/Comments

Α

Ма

Action/Comments Inspector Comments: Existing riprap protection is properly maintained.

Issue No.

Location *

38.682460°

-121.672930°

5

CR

38.687350°

-121.673740 °

GPS Latitude/Longitude

Inspector Comments: No active erosion or bank caving observed.

Rating **

Issue Type +

Structures & Concrete Lined

LM Start

LM End

Category

Item

0.00

0.00

Channels Revetments

DWR ID DWR_NA0055_12_t _ 2012_5

Riprap is clearly visible and undamaged.

Photo 1 of 2: ST_2018_NA0055_12_5_20180614_00011.jpg

No Photos



View of revetments looking north. Summer 2018.

Photo 2 of 2: ST_2018_NA0055_12_5_20180614_00012.jpg



Rating ** Issue No. 0.00 5 (cont) LM Start Issue Type + Location * CR 0.00 Ма LM End



View of revetments looking south. Summer 2018.

Location LS: Land Side WS: Water Side

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Cotogoni	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			38.68246	0°	38.687350°	
item			-121.67293	0°	-121.673740°		
DWR ID	DWR_NA0	055_12_t _ 201	2_6				
A .: 10							

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions is present within the project easement area.

No Photos

LM Start	0.00	Rating **	М	Issue No.		7	
LM End	0.00	Issue Type +	Issue Type + Ma Location			CR	
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Culverts:	Culverts: Inlets / Outlets			60°	38.687350°	
item		-121.6729	30°	-121.673740 °			
DWR ID	DWR NA0	055 12 t 201:	2 7				

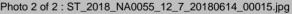
Action/Comments

Inspector Comments: Some debris partially blocking drainage inlet within Cache Creek Settling Basin.

Photo 1 of 2 : ST_2018_NA0055_	12 7 20180614 00013 ing
1 110to 1 01 2 : 01_2010_1\A0095_	12_7_20100014_00013.jpg
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	119
3.5. 发生的现在分词 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	" 建 维"。"是是一个
ALL TO LINE OF A LA	,
	人,这是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个

View of inlet structure at Cache Creek Settling Basin. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR





View of debris blocking inlet. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	8		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item		Breaks / Hole	s /	38.68246	0°	38.687350°	
пеш	Cracks			-121.67293	0 °	-121.673740 °	
DWR ID	R ID DWR_NA0055_12_t _ 2012_8						
Action/Comments							

Inspector Comments: There are no breaks, holes, cracks in the culvert that would result in significant water leakage.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 38.682460° 38.687350° Item -121.672930 ° -121.673740 ° DWR NA0055 12 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ma Location * CR I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 38.682460° 38.687350 ° Item -121.672930° -121.673740 ° DWR ID DWR_NA0055_12_t _ 2017_10 Action/Comments

Inspector Comments: Trash racks are fastened in place and properly maintained.

No Photos

No Photos

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category				Structures & Concrete Lined GPS Latitude/Longitude			e/Longitude
Calegory	Channels		Start		End		
Item	Flap Gate	Flap Gates		38.68246	60°	38.687350°	
пеш	item		-121.67293	80°	-121.673740 °		
DWR ID	DWR ID DWR_NA0055_12_t _ 2012_11						
A :: 10							

Action/Comments

Inspector Comments: Flap gates open and close easily with minimal leakage.

No Photos

Issue No. LM Start 0.00 Rating ** Α 12 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 38.682460° 38.687350° Item -121.672930° -121.673740 ° DWR NA0055 12 t 2012 12 DWR ID

Action/Comments

Inspector Comments: Gates open and close freely and free of sediment and other obstructions.

No Photos

Issue No. Rating ** LM Start 0.00 Ν 13 0.00 Issue Type + Location * CR I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 38.682460° 38.687350° Item -121.672930° -121.673740 ° DWR ID DWR_NA0055_12_t _ 2012_13 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure		Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *	CR	
Cotogony	Structures & Concrete Lined			ed GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Manual Gate Operators		1	38.6824	60°	38.687350°
item				-121.67293	30°	-121.673740°
DWR ID DWR_NA0055_12_t _ 2012_14						
Action/Comments						

Inspector Comments: The gates are tested once a year with safety of dams.



View of the gate operators to the drainage structure. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		15		
LM End	0.00	Issue Type +	Ma	Location *		CR		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Item	Concrete Surfaces			38.6824	60°	38.687350°		
пеш				-121.6729	30°	-121.673740 °		
DWR ID DWR_NA0055_12_t _ 2012_15								
	Action/Comments							

Action/Comments

Inspector Comments: Negligible spalling and cracking. Cracks should be sealed to prevent freeze/thaw damage.

	·
Photo 1 of 5: ST_2018_NA005	5_12_15_20180614_00024.jpg
	14
	08 13 201B

Chipped piece of concrete on steps, near north end of the weir. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR





Minor spalling on weir steps, near north end of the weir. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ма	Location *	CR	
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Itom	Item Concrete Surfaces			38.68246	60°	38.687350°
item				-121.67293	30°	-121.673740°
DWR ID	DWR_NA0055_12_t _ 2012_15					
Action/Comments						

Inspector Comments: Negligible spalling and cracking. Cracks should be sealed to prevent freeze/thaw damage.

Photo 3 of 5 : ST_2018_NA0055_12_15_20180614_00026.jpg
DE 53 3018

Chipped piece of concrete on steps, approximately halfway down the weir. Summer 2018.

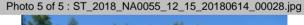
LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 4 of 5: ST_2018_NA0055_12_15_20180614_00027.jpg



Chipped piece of conrete on steps, near south end of the weir. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR





Chipped piece of concrete on steps, near south end of the weir. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00 Rating ** A		Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement			38.68246	60°	38.687350°	
пеш				-121.67293	30°	-121.673740 °	
DWR ID DWR_NA0055_12_t _ 2012_16							
Action/Comments							

Inspector Comments: No noticeable tilting or settlement observed.

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		CR
Structures & Concrete Lined GPS Latitude				e/Longitude		
Calegory	Channels		Start		End	
Item	Concrete Foundations			38.6824	60°	38.687350°
пеш				-121.6729	30 °	-121.673740°
D14/D ID	D14/D 1110					

DWR ID DWR_NA0055_12_t _ 2012_17

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00 Rating ** A		Α	Issue No.	18			
LM End	0.00	Issue Type +	Ma	Location *	CR			
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Item	Security Fencing			38.6824	60°	38.687350°		
пеш				-121.6729	30°	-121.673740°		
DWR ID DWR_NA0055_12_t _ 2012_18								
Action/Comments								

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

No Photos

No Photos

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		19		
LM End	0.00	Issue Type +	Ma	Location *	CR			
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels					End		
Item	Closure Structures			38.6824	60°	38.687350°		
пеш	item				30°	-121.673740 °		
DWR ID DWR_NA0055_12_t _ 2012_19								
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 20 Issue Type + 0.00 Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 38.682460° 38.687350° Item -121.672930° -121.673740 ° DWR ID DWR NA0055 12 t 2012 20

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *		CR	
Catagory	Structures & Concrete Lined			& Concrete Lined GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Other Metallic Items			38.6824	60°	38.687350°	
пеш			-121.6729	30°	-121.673740°		
DWR ID	DWR_NA0	055_12_t _ 201	2_21			·	

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Settling Basin Weir And Drainage Structure		06/13/2018 06/13/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ма	Location *	CR	
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Monolith .	Joints		38.68246	0°	38.687350°
item			-121.67293	0°	-121.673740 °	
DWR ID DWR_NA0055_12_t _ 2012_22						
		A - 1' 1	<u> </u>			

Action/Comments

Inspector Comments: The joints appear to be in good condition.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 38.682460° 38.687350° Item -121.672930° -121.673740 ° DWR ID DWR_NA0055_12_t _ 2012_23

Action/Comments

Inspector Comments: Safety hardware is installed and an adequate protection for fall hazards exist. No hazardous conditions exist that might affect the operation of the structure.

LM Start	0.00 Rating ** A Issue No.		1				
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Operation & Maintenance			38.6824	38°	38.687317	,
item	Manual			-121.6729	24 °	-121.673711 °	>
DWR ID DWR_NA0055_12_t _ 2013_1							
Action/Comments							

Inspector Comments: LMA has O&M manual for the structure and also available online

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure
Fremont Weir

Structure Rating	Α
Date of Inspection	6/21/2018
DWR Inspector	Zach Jojola
Accompanied By	Ted Skidgel DWR

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Documentation			38.75888	80°	38.764680 °	
пеш				-121.66538	80°	-121.635430 °	
DWR ID	DWR_NA0055_2_t _ 2012_24					·	
Action/Comments							

Inspector Comments: Pictures along the weir structure west to east.



View of the weir from the west abutment, facing northeast. Summer

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 11: ST_2018_NA0055_2_24_20180625_00035.jpg



View of the weir facing the west abutment. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



View of the weir near the midpoint, facing southwest. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		24 (cont)		
LM End	0.00	Issue Type +	Ma	Location *	CR			
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Photo Documentation			38.758880 °		38.764680	0	
пеш		-121.665380 °		-121.635430 °				
DWR ID	DWR ID DWR_NA0055_2_t _ 2012_24							
Action/Comments								

Inspector Comments: Pictures along the weir structure west to east.



View of the weir midpoint. Summer 2018.

LM Start 0.00 Rating ** N Issue No. 24 (cont) LM End 0.00 Issue Type + Ma Location * CR

Photo 5 of 11: ST_2018_NA0055_2_24_20180625_00029.jpg



View of the weir facing southwest towards the midpoint. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



View of the weir facing northeast from the midpoint. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		24 (cont)	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Cotogony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Photo Documentation			38.758880 °		38.764680°	
пеш			-121.665380 °		-121.635430 °		
DWR ID DWR_NA0055_2_t _ 2012_24							
Action/Comments							

Inspector Comments: Pictures along the weir structure west to east.



View of the weir from the fish passageway, facing west. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 8 of 11 : ST_2018_NA0055_2_24_20180625_00026.jpg



View of the weir from the fish passageway, facing east. Summer 2018.

Photo 9 of 11: ST_2018_NA0055_2_24_20180625_00040.jpg

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



View of the weir facing west, near east abutment. Summer 2018.

* Location
LS : Land Side
WS : Water Side
CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	Issue No. 24 (cont)		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start		End	
Item	Photo Do	cumentation		38.7588	80°	38.764680 °	
item				-121.6653	80°	-121.635430 °	
DWR ID DWR_NA0055_2_t _ 2012_24							
Action/Comments							

Inspector Comments: Pictures along the weir structure west to east.



View of the weir facing towards east abutment. Summer 2018.

 LM Start
 0.00
 Rating **
 N
 Issue No.
 24 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *
 CR

Photo 11 of 11: ST_2018_NA0055_2_24_20180625_00043.jpg



View of the weir from the east abutment. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *		CR	
Category		oole			GPS Latitude/Longitude		
Calegory	Channels			Start	End		
Item	Vegetatio	n & Obstruction	ons	38.75888	30°	38.764680	0
пеш				-121.66538	30°	-121.635430	0
DWR ID	DWR_NA0	055_2_t _ 2012	_2				
		Action/	Comme	nts			

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

* Rating

A : Acceptable M : Minimally Acceptable N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	3								
LM End	0.00	Issue Type +	Ма	Location *	CR								
Category	Structures & Concrete Lined			GPS Lat	itud	e/Longitude							
Calegory	Channels			Start		End							
Item	Shoaling /	Sedimentation	n	38.75888	0°	38.764680°							
пеш				-121.66538	0 °	-121.635430°							
DWR ID DWR_NA0055_2_t _ 2012_3													
		A - C /	<u> </u>	-1-		A = 1' = = 10 = = = = = 1 =							

Action/Comments

Inspector Comments: No shoaling or sedimentation present.

No Photos

Rating ** Issue No. LM Start 0.00 Α 4 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 38.758880° 38.764680° Item -121.665380° -121.635430 ° DWR ID DWR_NA0055_2_t _ 2012_4

Action/Comments

Inspector Comments: There are areas where active erosion is occurring or has occurred on or near the levee / bank, but project integrity is not threatened.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		CR
Category		s & Concrete I	Lined	GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Revetmer	nts		38.7588	30°	38.764680 °
пеш				-121.6653	30°	-121.635430 °
DWR ID	DWR_NA0	055_2_t _ 2012	_5			

Action/Comments

Inspector Comments: No riprap displacement or scouring activity that could undercut banks, erode embankments, or restrict desired flow. Unwanted vegetation must be cleared and sprayed with an appropriate herbicide.

Photo 1 of 1: ST_2018_NA0055_2_5_20180625_00014.jpg



View of revetment along weir. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ма	Location *	CR	
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Encroach	ments		38.758880	°	38.764680
пеш	item		-121.665380	°	-121.635430	
DWR ID	DWR_NA0	055_2_t _ 2012 ₋	_6			

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

Issue No. LM Start 0.00 Rating ** Ν 7 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 38.758880° 38.764680° Item -121.665380° -121.635430 ° DWR NA0055 2 t 2017 7 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 Ν 0.00 Issue Type + Location * CR I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 38.758880° 38.764680 ° Item Cracks -121.665380° -121.635430 ° DWR_NA0055_2_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *	CR			
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Metal Pipe	es		38.75888	0 °	38.764680 °		
пеш				-121.66538	0 °	-121.635430 °		
DWR ID DWR_NA0055_2_t _ 2012_9								
	A :: 10							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 Issue Type + 0.00 Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels 38.758880° Trash Racks 38.764680° Item -121.665380° -121.635430 ° DWR ID DWR_NA0055_2_t _ 2012_10

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category	s & Concrete I	GPS Latitude/Longitude					
Calegory	Channels			Start End			
Item	Flap Gates			38.7588	80°	38.764680°	
item				-121.665380 ° -121.63543			
DWR ID DWR_NA0055_2_t _ 2012_11							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		12		
LM End	0.00	Issue Type +	Ма	Location *	CR			
Structures & Concrete Lined			GPS Lat	itud	e/Longitude			
Calegory	Category Channels			Start		End		
Item	Sluice/Slic	de Gates		38.75888	o°	38.764680 °		
пеш	item			-121.66538	o°	-121.635430 °		
DWR ID	DWR_NA0	055_2_t _ 2012	_12					

Action/Comments

Inspector Comments: This item does not apply to this inspection.

0.00	Rating **	N	Issue No.		13		
0.00	Issue Type +	Ma	Location *		CR		
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Electric G	38.75888	0 °	38.764680	0			
			-121.66538	0 °	-121.635430	0	
DWR_NA0	055_2_t _ 2012	_13					
	0.00 Structures Channels Electric G	0.00 Issue Type + Structures & Concrete I Channels Electric Gate Operators	0.00 Issue Type + Ma Structures & Concrete Lined	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Lat Electric Gate Operators 38.75888 -121.66538	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitud Start Start Electric Gate Operators 38.758880 ° -121.665380 °	0.00 Issue Type + Ma Location * CR Structures & Concrete Lined Channels GPS Latitude/Longitude Start End Electric Gate Operators 38.758880 ° 38.764680 -121.665380 ° -121.635430	

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *		CR	
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Manual G	ate Operators		38.7588	80°	38.764680 °	
пеш				38.7588 -121.6653	80°	-121.635430 °	
DWR ID	DWR ID DWR_NA0055_2_t _ 2012_14						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Cotogony	Structures & Concrete Lined			GPS Lat	titud	le/Longitude
Category			Start		End	
Item	Concrete Surfaces			38.75888	o°	38.764680 °
item				-121.66538	o°	-121.635430 °
DWR ID	WR ID DWR_NA0055_2_t _ 2012_15					
Action/Comments						

Inspector Comments: Large crack on the west weir abutment. A new fish passageway within the weir is being constructed. The fish ladder has been removed.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



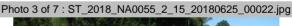
View of crack at west weir abutment. Summer 2018.

Photo 2 of 7: ST_2018_NA0055_2_15_20180625_00021.jpg



View of demoed weir section and rebar cage for new fish passage structure. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR





View of rebar cage installation. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

onitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Cotogony	Structures & Concrete Lined			GPS La	titud	e/Longitude	
Calegory	Category Channels			Start		End	
Item	Concrete Surfaces			38.75888	o°	38.764680 °	
item			-121.6653		o°	-121.635430 °	
DWR ID	DWR_ID DWR_NA0055_2_t _ 2012_15						
Action/Comments							

Inspector Comments: Large crack on the west weir abutment. A new fish passageway within the weir is being constructed. The fish ladder has been removed.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR



View of temporary crossing over existing weir. Summer 2018.

Photo 5 of 7: ST_2018_NA0055_2_15_20180625_00019.jpg



Upstream view of fish passageway. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CP



View of fish passageway excavation. Summer 2018.

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

tain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	Issue No. 15 (cont		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item	Concrete Surfaces			38.7588	80°	38.764680 °	
пеш			-121.6653		80°	-121.635430 °	
DWR ID DWR_NA0055_2_t _ 2012_15							
	Action/Comments						

Inspector Comments: Large crack on the west weir abutment. A new fish passageway within the weir is being constructed. The fish ladder has been removed.

Photo 7 of 7: ST_2018_NA0055_2_15_20180625_00025.jpg



Downstream view of fish passageway from weir. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		16			
LM End	0.00	Issue Type +	Ma	Location *		CR			
Structures & Concrete Lined			GPS Latitude/Longitude						
Category	Channels	Channels				End			
Item	Concrete Tilting / Settlement			38.7588	80°	38.764680°			
пеш				-121.6653	80°	-121.635430 °			
DWR ID	DWR_NA0	055_2_t _ 2012	_16						

Action/Comments

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Itom	ltem Concrete Foundations		38.7588	30°	38.764680	0	
пеш				-121.66538	30°	-121.635430	0
DWR ID	DWR_NA0	055_2_t _ 2012	_17				

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

Location LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Security Fencing		38.7588	80°	38.764680	0	
item			-121.6653	80°	-121.635430	0	
DWR ID	DWR_NA0	055_2_t _ 2012	_18				

Action/Comments

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Location * CR 0.00 Ma LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Closure Structures 38.758880° 38.764680° Item -121.665380° -121.635430 ° DWR ID DWR_NA0055_2_t _ 2012_19

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 20 0.00 Issue Type + Location * CR I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 38.758880° 38.764680 ° Item -121.665380° -121.635430 ° DWR ID DWR_NA0055_2_t _ 2012_20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	21			
LM End	0.00	Issue Type +	Ma	Location *	CR			
Structures & Concrete Lined			GPS Latitude/Longitude					
Category	Channels			Start		End		
Item	Other Metallic Items		38.75888	80°	38.764680 °			
пеш				-121.66538	80°	-121.635430 °		
DWR ID	DWR_NA0	055_2_t _ 2012	_21					
A :: 10								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 38.758880° 38.764680° Item

-121.665380°

-121.635430 °

DWR NA0055 2 t 2012 22 DWR ID

Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ma Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 38.758880° 38.764680 ° Item -121.665380° -121.635430 ° DWR ID DWR_NA0055_2_t _ 2012_23 Action/Comments

Inspector Comments: No hazardous conditions that might affect the operation of the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		06/21/2018 06/21/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item		Operation & Maintenance Manual			09°	38.764638 °	
item	Manual				48 °	-121.635434 °	
DWR ID	DWR ID DWR_NA0055_2_t _ 2013_1						
Action/Comments							
Inspector Comments: LMA has O&M manual for the weir.							

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure	
Knights Landing Outfall Structure	

Structure Rating	Α
Date of Inspection	6/12/2018
DWR Inspector	Zach Jojola
Accompanied By	

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item	Photo Documentation		38.79956	60°	38.799320°		
item				-121.72553	30°	-121.724850 °	
DWR ID DWR_NA0055_41_t _ 2012_1							
Action/Comments							

Inspector Comments: North end of structure: (38.799581, -121.725272). South end of structure (38.799254, -121.724824).

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the inlet side of the structure. Summer 2018.

Photo 2 of 2: ST_2018_NA0055_41_1_20180612_00010.jpg



View of the outlet side of the structure. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Vegetation & Obstructions		38.79956	° 0	38.799320°	
пеш			-121.72553	80°	-121.724850 °	
DWR ID	DWR_NA0	055_41_t _ 201	2_2			

Action/Comments
Inspector Comments: Minimal, scattered obstructions or vegetation.



View of the channel looking towards the right bank. Summer 2018.

* Location
LS: Land Side
WS: Water Side
CR: Crown

The flow is not impeded.

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation & Obstructions			38.7995	60°	38.799320	0
пеш				-121.7255	30°	-121.724850	0
DWR ID	R ID DWR_NA0055_41_t _ 2012_2						
Action/Comments							

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the channel looking upstream. Summer 2018.

Photo 3 of 3: ST_2018_NA0055_41_2_20180612_00012.jpg



View of the channel looking downstream from the structure. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atituc	de/Longitude
Category				Start		End
Item	Shoaling / Sedimentation			38.7995	60°	38.799320 °
item	item			-121.7255	30°	-121.724850 °
DWR ID	WR ID DWR_NA0055_41_t _ 2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation present.						

No Photos

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Erosion /	Erosion / Bank Caving		38.7995	60 °	38.799320	0
item		-121.7255	30°	-121.724850	0		
DWR ID	DWR_NA0	055_41_t _ 201	7_4				
A = 11 = = 10 = = = = = 1							

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels		Start		End
Item	Revetmer	nts		38.7995	60°	38.799320 °
пеш			-121.7255	30°	-121.724850 °	
DWR ID	DWR_NA0	055_41_t _ 201	2_5			

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

Marie 1
08 13 2018

Photo 1 of 2: ST_2018_NA0055_41_5_20180612_00014.jpg

View of rip rap on the left bank downstream of the outlet. Summer 2018. Photo 2 of 2: ST_2018_NA0055_41_5_20180612_00015.jpg

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		6						
LM End	0.00	Issue Type +	Ма	Location *								
Category	Structures & Concrete Lined		GPS Latitude/Longitud									
Calegory	Channels	nnels		Start		End						
Item	Encroach	ments		38.79956	o°	38.799320 °						
пеш				-121.72553	°	-121.724850 °						
DWR ID	DWR_NA0	055_41_t _ 201	2_6									
		A .: /	_			A 11 10						

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
Calegory	^{Ty} Channels			Start		End	
Item	Culverts:	Inlets / Outlets	5	38.7995	60°	38.799320	0
пеш				-121.7255	30°	-121.724850	0
DWR ID	DWR_NA0	055_41_t _ 201	2_7				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.		8		
LM End	0.00	Issue Type +	Ма	Location *				
Category		& Concrete I	Concrete Lined GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item		Breaks / Hole	s /	38.79956	60°	38.799320°		
пеш	Cracks			-121.72553	30°	-121.724850 °		
DWR ID	DWR_NA0	055_41_t _ 201	2_8					
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Metal Pipe	es		38.79956	0°	38.799320°	
item				-121.72553	0°	-121.724850 °	
DWR ID	DWR_NA0	055_41_t _ 2012_9					
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 38.799560° 38.799320° Item -121.725530° -121.724850 ° DWR NA0055 41 t 2012 10 DWR ID

Action/Comments

Inspector Comments: This item does not apply to the inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Flap Gate	:S		38.79956	0°	38.799320°		
пеш				-121.72553	80°	-121.724850 °		
DWR ID	DWR_NA0	055_41_t _ 201	2_11					
	A :: 10							

leakage. Gates show no corrosion damage and have been maintained.

Action/Comments
Inspector Comments: Flap gates open and close easily with minimal

Photo 1 of 1: ST_2018_NA0055_41_11_20180613_00016.jpg

View of semi-opened flap gate and closed gates at the structure outlet. Summer 2018.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End
Item	Sluice/Slic	de Gates		38.7995	60°	38.799320°
item				-121.7255	30°	-121.724850 °
DWR ID	DWR ID DWR_NA0055_41_t _ 2012_12					
Action/Comments						

Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.



View of the unopened slide gate on the inlet side of the structure. Summer 2016.

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category		tructures & Concrete Lined hannels		GPS Lat	itud	e/Longitude	
Calegory	Channels			Start		End	
Item	Electric G	ate Operators	i	38.79956	o°	38.799320	0
пеш		·		-121.72553	o°	-121.724850	0
DWR ID	DWR_NA0	055_41_t _ 201	2_13				

Action/Comments

Inspector Comments: The gates were operated recently and appear to be functional.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Category Channels				GPS La	tituc	le/Longitude
Calegory	Channels			Start		End
Item	Manual G	ate Operators	;	38.79956	0°	38.799320°
пеш				-121.72553	° o	-121.724850 °
DWR ID	DWR ID DWR_NA0055_41_t _ 2012_14					
Action/Comments						

Inspector Comments: The manual gates appear to be operational.



Close-up view of the wheel for the flap gate. Summer 2015.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0055

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		14 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined			GPS La	tituc	le/Longitude
Calegory	Channels	Channels				End
Item	Manual G	Manual Gate Operators			° 0	38.799320°
пеш				-121.72553	80°	-121.724850 °
DWR ID	ID DWR_NA0055_41_t _ 2012_14				·	
Action/Comments						

Inspector Comments: The manual gates appear to be operational.



View of the control structure to manually close the flap gates. Summer 2015.

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete Surfaces			38.79956	60°	38.799320°	
пеш				-121.72553	30°	-121.724850°	
DWR ID DWR_NA0055_41_t _ 2012_15							
	A ation /Common arts						

Action/Comments

Inspector Comments: Negligible spalling, scaling or cracking.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete	Tilting / Settle	ment	38.79956	0°	38.799320	0
item				-121.72553	0°	-121.724850	٥
DWR ID	DWR_NA0	055_41_t _ 201	2_16				
		Action/	Commer	nts			

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Concrete	Foundations		38.79956	o°	38.799320°	
пеш				-121.725530	°	-121.724850 °	
DWR ID DWR_NA0055_41_t _ 2012_17							
	A :: 10						

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 18 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 38.799560° 38.799320° Item -121.725530° -121.724850 ° DWR ID DWR_NA0055_41_t _ 2012_18

Action/Comments

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal

LM Start	0.00 Rating ** N		N	Issue No.	19		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Closure S	tructures		38.7995	60°	38.799320°	
item				-121.7255	30°	-121.724850 °	
DWR ID	DWR ID DWR_NA0055_41_t _ 2012_19						
Action/Comments							

Inspector Comments: This structure does not have a closure structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Ral	ces		38.7995	60°	38.799320	0
пеш			-121.7255	30°	-121.724850	0	
DWR ID DWR_NA0055_41_t _ 2012_20							
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Α 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 38.799560° 38.799320° Item -121.725530° -121.724850 ° DWR NA0055 41 t 2013 21 DWR ID

Action/Comments

Inspector Comments: All metallic items have been replaced or protected in 2012-2013.

No Photos

Issue No. Rating ** LM Start 0.00 22 0.00 Issue Type + Ма Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 38.799560° 38.799320 ° Item -121.725530° -121.724850° DWR_NA0055_41_t _ 2012_22 DWR ID Action/Comments

Inspector Comments: The monolith joint material is in good condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		06/12/2018 06/12/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End	
Item	Safety			38.79956	o°	38.799320°	
пеш				-121.72553	0 °	-121.724850 °	
DWR ID DWR_NA0055_41_t _ 2012_23							

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 38.799560° 38.799320° Item Manual -121.725530° -121.724850 ° DWR ID DWR_NA0055_41_t _ 2013_24

Action/Comments

Inspector Comments: The yard has the manuals for this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sacramento Maintenance Yard

Structure	
Paradise Dam	

Structure Rating	M
Date of Inspection	6/13/2018
DWR Inspector	Luz Dial
Accompanied By	

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels		Start		End			
Item	Photo Documentation		37.760713°		37.760713°		
item			-121.309550 °		-121.309550 °		
DWR ID DWR_NA0055_52_t _ 2012_24							
Action/Comments							

Inspector Comments: The dam spans the gap between Unit No. 1 and Unit No. 2 of Paradise Cut and withstands flows from the San Joaquin River.



View of Paradise Dam from the right bank of Paradise Cut. Summer 2018

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	CR

Photo 2 of 4: ST_2018_NA0055_52_24_20180618_00016.jpg



Looking towards north end of Paradise Dam. Summer 2018

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
I M End	0.00	Issue Type +	Ma	Location *	CR



Looking downstream on the San Joaquin River, from Paradise Dam inlet. Summer 2018

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	24 (cont)		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels		Start		End			
Item	Photo Documentation		37.760713°		37.760713°		
пеш				-121.309550 °		-121.309550 °	
DWR ID	DWR_NA0	055_52_t _ 201	2_24				
Action/Comments							

Inspector Comments: The dam spans the gap between Unit No. 1 and Unit No. 2 of Paradise Cut and withstands flows from the San Joaquin River.

Photo 4 of 4: ST_2018_NA0055_52_24_20180618_00013.jpg



Looking downstream at Paradise Cut from Paradise Dam inlet. Summer 2018

Photo 1 of 2: ST_2018_NA0055_52_2_20180618_00010.jpg

LM Start	0.00	Rating **	М	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *	CR			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels		Start		End				
Item	Vegetation & Obstructions		ons	37.7605	84 °	37.760584°		
пеш				-121.3094	50°	-121.309450 °		
DWR ID	DWR_NA0	055_52_t _ 201	2_2					
			-					

Action/Comments

Inspector Comments: Dense willows may impede the flow of the San Joaquin River at the dam inlet.

Carlotte State	
	06 13 2018

View of the vegetation on the weir crest. Summer 2018

Rating ** Issue No. 0.00 LM Start 2 (cont) LM End 0.00 Issue Type + Location ' CR

Photo 2 of 2: ST_2018_NA0055_52_2_20180618_00009.jpg



View of the vegetation on the weir crest. Summer 2018

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation			37.760584°		37.760584°	
item				-121.309450 °		-121.309450 °	
DWR ID	DWR_NA0	055_52_t _ 201	2_3				
Action/Comments							



View of sedimentation with brush on the left bank downstream of dam

Rating ** Issue No. LM Start 0.00 Α Location * CR 0.00 Issue Type + Ma LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Erosion / Bank Caving 37.760584° 37.760584 ° Item -121.309450° -121.309450 ° DWR ID DWR_NA0055_52_t _ 2012_4

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating ** A		Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *		CR	
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category		Start		End		
Item	Revetments		37.7605	84°	37.760584°		
item		-121.3094	50°	-121.309450 °			
DWR ID	DWR_NA0	055_52_t _ 201	7_5				

Action/Comments Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

Photo 1 of 1: ST_2018_NA0055_52_5_20180618_00012.jpg



View of riprap protection that is clearly visible

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00 Rating **		Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS La	e/Longitude			
Calegory	Channels			Start		End	
Item	Encroach	ments		37.7605	84 °	37.760584	۰
Item				-121.3094	50°	-121.309450	0
DWR ID	DWR_NA0	055_52_t _ 201	2_6				

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

Issue No. LM Start 0.00 Rating ** Ν 7 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Culverts: Inlets / Outlets 37.760584° 37.760584° Item -121.309450° -121.309450 ° DWR NA0055 52 t 2012 7 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * CR I M End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 37.760584° 37.760584° Item Cracks -121.309450° -121.309450 ° DWR_NA0055_52_t _ 2012 8 DWR ID Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Structures & Concrete Lined			GPS Lat	itud	e/Longitude		
Category	Channels			Start		End	
Item	Metal Pipe	es		37.76058	4 °	37.760584 °	
item				-121.30945	o°	-121.309450 °	
DWR ID	DWR_NA0055_52_t _ 2012_9						
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

	LM Start	0.00	Rating **	N	Issue No.		10	
	LM End	0.00	Issue Type +	Ma	Location *		CR	
	Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
		Channels			Start		End	
	Trash Racks		37.7605	84 °	37.760584	0		
	Item				-121.3094	50°	-121.309450	0
	DWR ID	DWR_NA0	055_52_t _ 201	2_10				
			A - 1' 1	O	- 1 -			

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No	Photos

No Photos

No Photos

LM Start	0.00	Rating **	N	N Issue No. 11			
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category	s & Concrete I	_ined	GPS La	ituc	le/Longitude		
Calegory	Channels			Start		End	
Item	Flap Gate	s		37.76058	4 °	37.760584°	
пеш				-121.30945	0 °	-121.309450 °	
DWR ID	DWR_NA0055_52_t _ 2012_11						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		37.76058	4 °	37.760584 °	
item				-121.30945	o°	-121.309450 °	
DWR ID	DWR_NA0055_52_t _ 2012_12						
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 13 Issue Type + 0.00 Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 37.760584° 37.760584° Item -121.309450 ° -121.309450 ° DWR ID DWR_NA0055_52_t _ 2012_13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	N	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels		Start		End		
Item	Manual G	ate Operators		37.7605	84°	37.760584°	
item			-121.3094	50°	-121.309450 °		
DWR ID	DWR_NA0	2_14			·		
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

A : Accepta

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00 Rating ** N			Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *	on * CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		37.76058	4 °	37.760584°	
пеш				-121.30945	o°	-121.309450 °	
DWR ID	DWR_NA0055_52_t _ 2012_15						
	Action/Comments						

No Photos

Action/Comments

Inspector Comments: This item does not apply to the inspection.

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *	CR		
Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude	
	Channels			Start		End	
Item	Concrete Tilting / Settlement		37.7605	84°	37.760584	0	
пеш				-121.3094	50°	-121.309450	0
DWR ID	DWR_NA0	DWR_NA0055_52_t _ 2012_16					
			_				

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *	CR	
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Concrete Foundations		37.7605	84°	37.760584°	
item				-121.3094	50°	-121.309450 °
DWR ID DWR_NA0055_52_t _ 2012_17						
Action/Comments						

No Photos

Inspector Comments: This item does not apply to this inspection.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	18			
LM End	0.00	Issue Type +	Ма	Location *	CR			
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Security Fencing		37.76058	4 °	37.760584°			
пеш	nem		-121.30945	o°	-121.309450 °			
DWR ID	DWR_NA0	055_52_t _ 201	2_18					
	A = t = = = (C = = = = = = t =							

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Closure Structures		37.76058	4 °	37.760584	0	
item				-121.30945	0 °	-121.309450	0
DWR ID	DWR_NA0	055_52_t _ 201	2_19				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *	CR		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Trash Rakes		37.76058	34°	37.760584	0	
item			-121.3094	50°	-121.309450	0	
DWR ID DWR_NA0055_52_t _ 2012_20							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *	CR		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels Channels		Start		End		
Item	Other Met	Other Metallic Items		37.76058	4 °	37.760584°	
пеш	item		-121.30945	o°	-121.309450°		
DWR ID	DWR_NA0	055_52_t _ 201	2_21				
			_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 22 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 37.760584° 37.760584° Item -121.309450° -121.309450 ° DWR NA0055 52 t 2012 22 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ма Location * CR LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 37.760584° 37.760584° Item -121.309450° -121.309450 ° DWR_NA0055_52_t _ 2012_23 DWR ID Action/Comments

Inspector Comments: There are no issues at this time.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		06/13/2018 06/13/2018	Luz Dial

LM Start	0.00	Rating **	U	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *	CR	
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Operation & Maintenance			37.7605	84°	37.760584°
item	Manual		-121.3094	50°	-121.309450 °	
DWR ID DWR_NA0055_52_t _ 2013_1						
Action/Comments						
Inspector Comments: There is no O&M Manual for this structure.						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sacramento Maintenance Yard

Str	ucture
Sacran	nento Weir

Structure Rating	A
Date of Inspection	6/27/2018
DWR Inspector	Zach Jojola
Accompanied By	

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Photo Do	cumentation		38.60712	20°	38.607120°
пеш				-121.56010	00°	-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2012	_24			·
Action/Comments						

Inspector Comments: South and North ends of the weir.

Photo 1 of 4 : ST_2	2018_NA0055	5_1_24_201	80628_00027	.jp
	Alland to a with feature			
A PORT OF THE PARTY OF THE PART		Aller Man Bullion		
AND THE PERSON NAMED IN			7	1
	4-70-6	Marie Santa		
************************************				を記る
				SWAN
	and the last		06 27 2018	

View of weir inlet from the north end. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4: ST_2018_NA0055_1_24_20180628_00028.jpg



View of weir outlet from the north end. Summer 2018.

Photo 3 of 4: ST_2018_NA0055_1_24_20180628_00029.jpg

LM Start	0.00	Rating **	N	Issue No.	24 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir outlet from the south end. Summer 2018.

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

& Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	24 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Photo Do	cumentation		38.60712	20°	38.607120°
пеш				-121.56010	00°	-121.560100°
DWR ID	DWR_NA0	055_1_t _ 2012	_24			
Action/Comments						

Inspector Comments: South and North ends of the weir.



View of the weir inlet from the south end. Summer 2018.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Vegetatio	n & Obstruction	ons	38.60712	20°	38.607120°	
пеш				-121.56010	00°	-121.560100 °	
DWR ID	DWR_NA0	055_1_t _ 2012	_2				
	Action/Comments						

Action/Comments

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Channels		Start		End	
Item	Shoaling /	Sedimentation	on	38.6071	20°	38.607120	•
пеш				-121.5601	00°	-121.560100	0
DWR ID	DWR_NA0	055_1_t _ 2012	_3				
Action/Comments							

Inspector Comments: No sedimentation present.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude		e/Longitude	
Calegory	Channels	3		Start		End
Item	Erosion /	Bank Caving		38.60712	0 °	38.607120 °
пеш				-121.56010	0 °	-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2012	_4			
		A .:	_			

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 38.607120° 38.607120° Item -121.560100 ° -121.560100 ° DWR ID DWR NA0055 1 t 2012 5

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	М	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	channels		Start		End	
ltom	Encroach	ments		38.60712	20°	38.607120°	
Item				-121.56010	00°	-121.560100°	
DWR ID	DWR_NA0	055_1_t _ 2012	_6				
	A -ti/C						

Action/Comments

Inspector Comments: Couch in bay 9, tree trunk in bay 17, and trash in bay 48.



View of couch in bay 9. Summer 2018.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.		6 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Encroach	ments		38.6071	20°	38.607120°	
пеш				-121.5601	00°	-121.560100 °	
DWR ID	DWR_NA0)55_1_t _ 2012_6					
	Action/Comments						

Inspector Comments: Couch in bay 9, tree trunk in bay 17, and trash in bay 48.

LM Start	0.00	Rating **	М	Issue No.	6 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of cut tree trunk in bay 17. Summer 2018.

Photo 3 of 4: ST_2018_NA0055_1_6_20180628_00013.jpg



Updated view of trash in bay 48. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	6 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of trash in bay 48. Summer 2017.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		7		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures	GPS Latitude/Longitude						
Calegory	Channels		Start		End			
Item	Culverts:	Inlets / Outlets	3	38.60712	o°	38.607120°		
пеш					0 °	-121.560100 °		
DWR ID	DWR_NA0	055_1_t _ 2012	_7					
	A stick / Common anto							

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		s & Concrete I	ined GPS Latitude/Longitude			le/Longitude	
Calegory	Channels			Start		End	
Itom		Breaks / Hole	s/	38.6071	20°	38.607120	0
iteiii	Cracks			-121.5601	00 °	-121.560100	0
DWR ID	DWR_NA0	055_1_t _ 2012	_8				
			_				

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	es		38.6071	20°	38.607120°	
item				-121.5601	00°	-121.560100 °	
DWR ID	DWR_NA0	055_1_t _ 2012	_9			·	
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Channels		Start		End		
Item	Trash Rad	cks		38.60712	0°	38.607120°		
пеш					0°	-121.560100 °		
DWR ID	DWR_NA0	055_1_t _ 2012	_10					
	A -ti /C t-							

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels		Start		End	
Item	Flap Gate	es .		38.6071	20°	38.607120°
пеш				-121.5601	00°	-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2012	_11			
		Action/	Commo	nte		

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Sluice/Slic	de Gates		38.6071	20°	38.607120°	
item				-121.5601	00°	-121.560100 °	
DWR ID	DWR_NA0	055_1_t _ 2012	_12			·	
	Action/Comments						

No Photos

Inspector Comments: Sac Yard recently replaced all needles and hinges that were damaged or missing from the previous flood season.

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Electric G	ate Operators	i	38.60712	o°	38.607120 °
пеш				-121.560100 ° -121		-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2012 ₋	_13			
		A - C /	<u> </u>	-1-		

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Α 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 38.607120° 38.607120° Item -121.560100 ° -121.560100 ° DWR ID DWR NA0055 1 t 2012 14

Action/Comments

Inspector Comments: The manual gate operators appear to be in good condition.

No Photos

LM Start	0.00	Rating **	М	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
ltom	Concrete	Surfaces		38.60712	20°	38.607120°
пеш	Item			-121.56010	00°	-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2016	_15			

Action/Comments

Inspector Comments: Spalling and cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.



Photo 1 of 12: ST_2018_NA0055_1_15_20180628_00014.jpg

View of the top corner of the north end of the weir, on the outlet side. Summer 2018.

Location LS: Land Side WS: Water Side CR: Crown

A: Acceptable Minimally Acceptable U: Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

NA0055

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End	
Item	Concrete Surfaces			38.60712	20°	38.607120°
item				-121.560100 °		
DWR ID	DWR_NA0055_1_t _ 2016_15					
		Action/	Comme	nts		

Inspector Comments: Spalling and cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.

Photo 2 of 12 :	ST_2018_	_NA0055_	_1_15_201	180628_	00015.jpg
X		2	34.		
	表的				
				06-27	2018

View of exposed rebar on concrete counterfort within bay 1 stilling basin. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
I M End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 12 : ST_2018_NA0055_1_15_20180628_00016.jpg



View of exposed rebar on wall of bay 1. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of exposed rebar within stilling basin of bay 1. Summer 2018.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End		
Item	Concrete	Surfaces		38.6071	20°	38.607120°
пеш				-121.5601	00°	-121.560100 °
DWR ID	R ID DWR_NA0055_1_t _ 2016_15					
		Action/	Comme	nts		

Inspector Comments: Spalling and cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of spalling on bay 4 wall. Summer 2018.

Photo 6 of 12: ST_2018_NA0055_1_15_20180628_00020.jpg



View of spalling in bay 8. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of exposed rebar on counterfort in bay 21. Summer 2018.

Location LS: Land Side WS: Water Side

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

NA0055

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude		le/Longitude		
			Start		End	
Item	Concrete	Surfaces		38.60712	20°	38.607120°
item				-121.56010	00°	-121.560100 °
DWR ID	DWR_NA0	055_1_t _ 2016	_15			
Action/Comments						

Inspector Comments: Spalling and cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.

LM Start	0.00	Rating **	M	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

hoto 8 of 12	: ST_2018	3_NA0055_1	_15_2018	30628_000	25.jp
			7		
				06 28 2018	
				20 20 10	

View of spalling at the top of bay 38 wall. Summer 2018.

Photo 9 of 12: ST_2018_NA0055_1_15_20180628_00023.jpg



View of spalling on bay 43 wall. Summer 2018.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of large crack on bay 48 wall. Summer 2018.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	М	Issue No.	15 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels		Start		End		
Item	Concrete	Surfaces		38.6071	20°	38.607120	0
пеш				-121.5601	00°	-121.560100	0
DWR ID	R ID DWR_NA0055_1_t _ 2016_15						
Action/Comments							

Inspector Comments: Spalling and cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of crack on bay 1 wall. It appears that it was previously patched, but it is beginning to open up again. Summer 2018.

Photo 12 of 12 : ST_2018_NA0055_1_15_20180612_00005.jpg



Exposed rebar at the base of the structure in bay 6. Summer 2017.

LM Start	0.00	Rating **	Α	Issue No.	16	
LM End	0.00	Issue Type +	Ма	Location *		
Category Channels			GPS Latitude/Longitude			
Category	Channels			Start End		End
Item	Concrete	Tilting / Settle	ment	38.60712	o°	38.607120
пеш				-121.56010	o°	-121.560100
DWR ID	DWR_NA0	055_1_t _ 2012	_16			
			_			

Action/Comments

Inspector Comments: No Concrete tilting or differential settlement was noted.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined		Structures & Concrete Lined		GPS Lat	itud	e/Longitude
Calegory	Channels	hannels		Start		End	
Item	Concrete	Foundations		38.60712	o°	38.607120°	
пеш				-121.56010	o°	-121.560100 °	
DWR ID	DWR_NA0	055_1_t _ 2012	_17				
			_				

Action/Comments

Inspector Comments: The foundation appears to be in good shape.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Α 18 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 38.607120° 38.607120° Item -121.560100 ° -121.560100 ° DWR ID DWR_NA0055_1_t _ 2012_18

Action/Comments

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal

LM Start	0.00	Rating **	N	Issue No.	19	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	nannels		Start		End
Item	Closure S	tructures		38.6071	20°	38.607120°
item				-121.5601	00°	-121.560100 °
DWR ID	DWR_ID DWR_NA0055_1_t _ 2012_19					
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Ral	ces			0°	38.607120°	
Item				-121.56010	0 °	-121.560100 °	
DWR ID	DWR_NA0055_1_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Α 21 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 38.607120° 38.607120° Item -121.560100° -121.560100 ° DWR ID DWR_NA0055_1_t _ 2012_21

Action/Comments

Inspector Comments: All metal parts are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.

No Photos

Issue No. Rating ** LM Start 0.00 22 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 38.607120° 38.607120 ° Item -121.560100° -121.560100 ° DWR ID DWR_NA0055_1_t _ 2012_22 Action/Comments Inspector Comments: All joints appear to be in good condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2018

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		06/27/2018 06/27/2018	Zach Jojola

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Safety			38.60712	° 0	38.607120°	
пеш				-121.560100 °		-121.560100 °	
DWR ID	DWR_NA0055_1_t _ 2012_23						
Action/Comments							

Inspector Comments: No identified safety issues at this time.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 38.607120° 38.607120° Item Manual -121.560100° -121.560100 ° DWR ID DWR_NA0055_1_t _ 2013_1

Action/Comments

Inspector Comments: The LMA has the O&M manual for this structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence